



RECEIVED

PATENT

Our Docket: P-TB 4568

JAN 08 2002  
TECH CENTER 1600  
2000-01-08  
P2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
Daniel S. Sem )  
Serial No: 09/765,693 ) Group Art Unit: 1627  
Filed: January 19, 2001 ) Examiner: M. Garcia  
For: MULTI-PARTITE LIGANDS )  
AND METHODS OF )  
IDENTIFYING AND )  
USING SAME )  
I hereby certify that this correspondence  
is being deposited with the United States  
Postal Service as first class mail in an  
envelope addressed to: Commissioner for  
Patents, Washington, D.C., 20231 on  
November 9, 2001.

By: Kimberly J. Prior  
Kimberly J. Prior, Reg. No. 41,483

November 9, 2001  
Date of Signature

Commissioner for Patents  
Washington, D.C. 20231

RESPONSE TO RESTRICTION REQUIREMENT

Responsive to the restriction requirement mailed  
October 10, 2001, consideration of the following remarks is  
respectfully requested.

Claims 15-19 are under examination and have been  
restricted under 35 U.S.C. § 121 into the following species:

Species of receptor

- A. Kinase
- B. Dehydrogenase
- C. Oxidoreductase
- D. GTPase
- E. Carboxyl transferase
- F. Acyl transferase
- G. Decarboxylase

Inventor: Daniel S. Sem  
Serial No.: 09/765, 693  
Filed: January 19, 2001  
Page 2

- H. Transaminase
- I. Racemase
- J. Methyl transferase
- K. Formyl transferase
- L.  $\alpha$ -ketodecarboxylase

Species of cofactor

- A. Adenosine triphosphate
- B. Nicotinamide adenine dinucleotide
- C. Nicotinamide adenine dinucleotide phosphate
- D. Thiamine pyrophosphate
- E. Flavin adenine dinucleotide
- F. Flavin mononucleotide
- G. Pyridoxal phosphate
- H. Coenzyme A
- I. Tetrahydrofolate adenosine triphosphate
- J. Guanosine triphosphate
- K. S-adenosyl methionine

The Office Action requires that one species from each of these two groups be elected for examination. Applicant elects the species of receptor as dehydrogenase and the species of cofactor as nicotinamide adenine dinucleotide.

The Office Action states that the species are distinct, each from the other, because their structures, modes of action, and reactivity to one another and to certain cofactors and enzymes are different. Applicant requests that the species nicotinamide adenine dinucleotide phosphate (NADP) be examined

Inventor: Daniel S. Sem  
Serial No.: 09/765,693  
Filed: January 19, 2001  
Page 3

with the elected species, NAD. These two compounds have similar structure and function. Additionally, many enzymes bind and use these compounds interchangeably. Therefore, these two species should be searched and examined together.

Further, applicant understands that the election of a single disclosed species is a provisional election and that if no prior art is found which anticipates or renders obvious the elected species, search of the claims will be extended to the extent necessary to determine patentability of the generic claims.

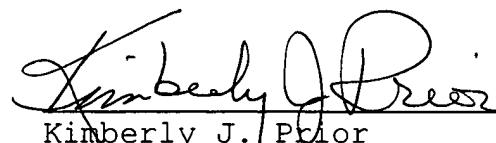
The Office Action also requests that all claims readable on the elected species be indicated. It is respectfully submitted that the claims readable on the receptor species dehydrogenase are claims 15-19. The claims readable on the cofactor species nicotinamide adenine dinucleotide are claims 15-19.

Inventor: Daniel S. Sem  
Serial No.: 09/765,693  
Filed: January 19, 2001  
Page 4

CONCLUSION

The Examiner is invited to call the undersigned attorney or Cathryn Campbell if there are any questions.

Respectfully submitted,



November 9, 2001  
Date

Kimberly J. Prior  
Registration No. 41,483  
Telephone No. (858) 535-9001  
Facsimile No. (858) 535-8949

CAMPBELL & FLORES LLP  
4370 La Jolla Village Drive  
7<sup>th</sup> Floor  
San Diego, California 92122  
USPTO CUSTOMER NO. 23601